

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Frederick R. Blattner *et al.*

Serial No.: 10/655,914

Filed: September 5, 2003

For: COMPETENT BACTERIA

Group Art Unit: 1636

Examiner: Vogel, Nancy S.

Atty. Dkt. No.: WARF:018US

Confirmation No.: 8615

CERTIFICATE OF ELECTRONIC SUBMISSION

DATE OF SUBMISSION: December 18, 2006

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

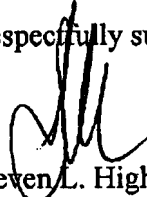
In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97(g), (h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

A fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00 is enclosed. If an appropriate deposit has not been enclosed, or if it is insufficient, the Commissioner is authorized to deduct the appropriate fee from Fulbright & Jaworski Account No.: 50-1212/WARF:018US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Steven L. Highlander
Reg. No. 37,642
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.
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(512) 474-5201

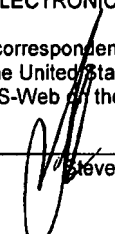
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CERTIFICATE OF ELECTRONIC TRANSMISSION	
I hereby certify that this correspondence is being electronically filed with the United States Patent and Trademark Office via EFS-Web on the date below:	
May 17, 2007 Date	 Steven L. Highlander

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The required fee in the amount of \$180.00 in connection with the filing of this paper are being charged to a credit card through EFS-Web concurrently with this submission. The Commissioner is hereby authorized to deduct any underpayment of fees or any additional fees required under 37 C.F.R. §§ 1.16 to 1.21 in connection with the filing of this paper from Fulbright & Jaworski Deposit Account No.: 50-1212/WARF:018US.

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Form PTO-1449 (modified)		Atty. Docket No.: WARF:018US	Serial No.: 10/655,914
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Frederick R. Blattner <i>et al.</i>	
		Filing Date: September 5, 2003	Group: 1636
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
/N.V./	A15	2003/0138937	07/24/03	Blattner <i>et al.</i>	435	252.33	01/23/02
/N.V./	A16	4,981,797	01/01/91	Jessee <i>et al.</i>	435	252.8	11/14/88
/N.V./	A17	6,989,265	01/24/06	Blattner <i>et al.</i>	435	252.8	01/23/02

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Language

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
/N.V./	C92	GenBank Accession Number AP009048. , <i>4/11/07 retrieved April 11, 2007</i>
/N.V./	C93	Hall, "Activation of the bgl operon by adaptive mutation," <i>Mol. Biol. Evol.</i> , 15:1-5, 1998.
/N.V./	C94	Khosla <i>et al.</i> , "Expression of Recombinant Proteins in Escherichia Coli Using an Oxygen-Responsive Promoter," <i>Bio/Technology</i> , 8:554-558, 1990.
/N.V./	C95	Passoth <i>et al.</i> , "Analysis of the hypoxia-induced ADH2 promoter of the respiratory yeast <i>Pichia stipitis</i> reveals a new mechanism for sensing of oxygen limitation in yeast," <i>Yeast</i> , 20:39-51, 2003.
/N.V./	C96	Riggs, "Expression and Purification of Maltose-Binding Protein Fusions," <i>Current Protocols Mol. Biol.</i> , 16.6.1-16.6.14, John Wiley and Sons, 1994.
/N.V./	C97	Xu and Tabita, "Positive and negative regulation of sequences upstream of the form II cbb CO2 fixation operon of <i>Rhodobacter sphaeroides</i> ," <i>J. Bacteriol.</i> , 176:7299-7308, 1994.

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EXAMINER: /Nancy Vogel/	DATE CONSIDERED: 05/28/2007
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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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Foreign Patent Documents

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	C71	Asai <i>et al.</i> , "An Escherichia coli strain with all chromosomal rRNA operons inactivated: complete exchange of rRNA genes between bacteria," <i>Proc. Natl. Acad. Sci., USA</i> , 96:1971-1976, 1999.
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	C74	Dykstra and Kushner, "Physical characterization of the cloned protease III gene from Escherichia coli K-12," <i>Journal of Bacteriology</i> , 163(3):1055-1059, 1985.
	C75	Eichhorn <i>et al.</i> , "Deletion analysis of the Escherichia coli taurine and alkanesulfonate transport systems," <i>Journal of Bacteriology</i> , 182(10):2687-2695, 2000.
	C76	GenBank Accession Number AE014073, retrieved Sep. 27, 2006
	C77	GenBank Accession Number AE014075, retrieved Sep. 27, 2006
	C78	GenBank Accession Number AF348706, retrieved Sep. 27, 2006
	C79	GenBank Accession Number U00096, retrieved Sep. 27, 2006

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/N.V./	C80	Hengen, "Better competent cells and DNA polymerase contaminants," <i>Trends in Biochem. Sci.</i> , 19:426-427, 1994.
	C81	Hengen, "Preparing ultra-competent <i>Escherichia coli</i> ," <i>Trends in Biochem. Sci.</i> , 21:75-76, 1996.
	C82	Mersereau <i>et al.</i> , "Efficient transformation of <i>Agrobacterium tumefaciens</i> by electroporation," <i>Gene</i> , 90:149-151, 1990.
	C83	Park <i>et al.</i> , "MppA, a periplasmic binding protein essential for import of the bacterial cell wall peptide L-Ananyl- γ -D-glutamyl-meso-diaminopimelate," <i>Journal of Bacteriology</i> , 180(5):1215-1223, 1998.
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	C85	Posfai <i>et al.</i> , "In vivo excision and amplification of large segments of the <i>Escherichia coli</i> genome," <i>Nucleic Acids Research</i> , 22(12):2392-2398, 1994.
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	C88	Van Spanning <i>et al.</i> , "Isolation and characterization of the <i>moxJ</i> , <i>moxG</i> , <i>moxI</i> , and <i>moxR</i> genes of <i>Paracoccus denitrificans</i> : Inactivation of <i>moxJ</i> , <i>moxG</i> , and <i>moxR</i> and the resultant effect on methylotrophic growth," <i>Journal of Bacteriology</i> , 173(21):6948-6961, 1991.
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✓	C91	Wirth <i>et al.</i> , "Transformation of various species of gram-negative bacteria belonging to 11 different genera by electroporation," <i>Mol. Gen. Genet.</i> , 216:175-177, 1989.

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Exam. Init.	Ref. Des.	Citation
NV	C70	Perna <i>et al.</i> , "Genome sequence of enterohaemorrhagic Escherichia coli 0157:H7," <i>Nature</i> , 409:529-533, 2001.

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Atty. Docket No.
WARF:018USSerial No.
10/655,914

List of Patents and Publications for Applicant's

Applicant
Frederick R. Blattner et al.

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NV	A1	5,747,662	05/05/98	Simmons <i>et al.</i>	536	24.1	3/01/95
	A2	5,578,464	11/26/96	Lunn <i>et al.</i>	435	69.1	5/11/95
	A3	5,824,502	10/20/98	Honjo <i>et al.</i>	435	69.1	3/27/97
	A4	5,962,327	10/05/99	Dujon <i>et al.</i>	435	478	4/5/95
	A5	6,015,709	01/28/00	Natesan	435	366	8/27/97
	A6	6,022,952	02/08/00	Weiner <i>et al.</i>	530	350	4/1/98
	A7	6,117,680	09/12/00	Natesan <i>et al.</i>	435	455	8/26/98
	A8	6,238,924	05/29/01	Dujon <i>et al.</i>	435	477	11/20/98
	A9	6,335,178	01/01/02	Weiner <i>et al.</i>	435	69.1	05/28/98
	A10	6,372,476	04/16/02	Belguith <i>et al.</i>	435	233	8/26/99
	A11	6,410,273	06/25/02	Crouzet <i>et al.</i>	435	91.1	6/24/97
	A12	6,509,156	01/21/03	Stewart <i>et al.</i>	435	6	12/7/98

Foreign Patent Documents

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NV	B1	EP 0 283 7236	09/28/88	Europe			
NV	B2	EP 0177343	4/09/86	Europe			
NV	B3	WO 01/27258	04/19/01	WIPO			
NV	B4	WO 02/14495	2/21/02	WIPO			
NV	B5	WO 03/048374	06/12/03	WIPO			
NV	B6	WO 03/070880	08/28/03	WIPO			
NV	B7	WO 2005/087940	09/22/05	WIPO			

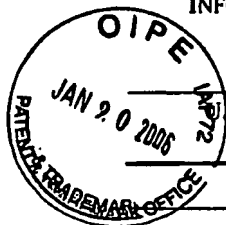
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Exam. Init.	Ref. Des.	Citation
NV	C1	Aristidou <i>et al.</i> , "Modification of central metabolic pathway in escherichia coli to reduce acetate accumulation by heterologous expression of the bacillus subtilis acetolactate synthase gene," <i>Biotechnology and Bioengineering</i> , 44:944-951, 1994
	C2	Balbas, "Understanding the art of producing protein and non-protein molecules in E. coli," <i>Molec Biotechnol.</i> , 19:251-267, 2001.
	C3	Baneyx, "Recombinant protein expression in E. coli," <i>Curr Opin Biotech</i> , 10:411-421, 1999.
	C4	Bermejo <i>et al.</i> , "Expression of clostridium acetobutylicum ATCC 824 genes in escherichia coli for acetone production and acetate detoxification," <i>Applied and Environmental Microbiology</i> , 64:1079-1085, 1998
	C5	Berry <i>et al.</i> , "Application of metabolic engineering to improve both production and use of biotech indigo," <i>J Indust Micro & Biotech</i> , 22:127-133, 2002.
	C6	Blattner <i>et al.</i> , "The complete genome sequence of Escherichia coli K-12," <i>Science</i> , 277:1453-1474, 1997.
	C7	Blaudeck <i>et al.</i> , "Specificity of single peptide recognition in TAT-dependent bacterial protein translocation," <i>J. Bacteriology</i> , 183:604-610, 2001.
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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

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EXAMINER: /Nancy Vogel/

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